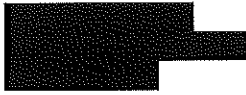


# Exhibit A

## CURRICULUM VITAE

### ANNE DRAPKIN LYERLY, MD, MA

Associate Professor, Social Medicine  
Associate Director, Center for Bioethics  
University of North Carolina at Chapel Hill



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#### EDUCATION

MD, Duke University Medical School, Medicine, 1995  
MA, Georgetown University, Philosophy, 2004  
BA, Dartmouth College, English, High Honors, cum laude, 1991

#### ACADEMIC APPOINTMENTS

Associate Professor, University of North Carolina Department of Social Medicine, 2011-  
Associate Director, University of North Carolina Center for Bioethics, 2011-  
Adjunct Associate Professor, University of North Carolina Department of Obstetrics and Gynecology, 2011-  
Associate Professor, Duke University Department of Obstetrics and Gynecology, 2007-2010  
Assistant Professor, Duke University Department of Obstetrics and Gynecology, 2001-2007  
Member of the Graduate Faculty, Arts and Sciences, Duke University, 2010  
Faculty Affiliate, Duke Center for Women's Studies, 2001-2010  
Core Faculty, Trent Center for Bioethics, Humanities, and History of Medicine, 2001-2010  
Instructor, Johns Hopkins Department of Gynecology and Obstetrics, 1999-2001

#### PROFESSIONAL TRAINING/FELLOWSHIPS

Residency, Obstetrics and Gynecology, Duke University, 1995-1999  
Greenwall Fellowship in Bioethics and Health Policy, Johns Hopkins/Georgetown, 1999-2001

#### HONORS AND AWARDS

Josiah Charles Trent Scholar Award in Medical Humanities, Duke University, 2009  
Center for Genome Ethics Law and Policy Research Fellowship Award, Duke University, 2001  
American College of Obstetricians and Gynecologists (ACOG) District IV Annual Meeting, First  
prize for oral presentation, "Cervical Intraepithelial Neoplasia in HIV-Infected Women in a  
Southeastern US Population.", 1995

Johnathan B. Rintels Prize for the most outstanding Honors thesis in the humanities and social sciences at Dartmouth: "Wif and Wapned: the Contrasexual Creative Imagination of the Beowulf Poet," 1991  
Albert Feinstein '55 Memorial Award for Outstanding Work in English Honors, Dartmouth College, 1991  
Dartmouth College Academic Citations: General Physics, Milton, 1990

## GRANTS

Greenwall Foundation Presidential Award, PI [19,750], A qualitative study of individuals' attitudes regarding their own cryopreserved embryos, 2001-2004  
National Institutes of Health BIRWCH Scholar Award, Scholar [225,000], Fertility Patients' Attitudes about their Cryopreserved Embryos, 2004-2005  
Josiah Charles Trent Memorial Foundation, Duke University, PI [3750], The Obstetrics and Gynecology Risk Research Group, 2004-2005  
Greenwall Foundation Faculty Scholars Program, PI [278,129], Individuals Attitudes Regarding their Cryopreserved Embryos, 2004-2007  
National Institutes of Health (NHLBI) K-01 Mentored Scientist Development Program in Research Ethics, PI [513,000], Ethical Issues Regarding Women in Health Research, 2004-2010  
SSIRRC Standard Research Grant - co-I; Kukla PI [100,565], Autonomy and the Negotiation of Information on Reproductive Health Care, 2006-2009  
Provost's Commonfund Award, Duke University - co-I; Wilkinson PI [48,500], Ethical Issues in Maternal Birth Trauma in the Developing World, 2006-2007  
Charles Hammond Fund, Duke University, PI [22,436], The Miscarriage Care Project, 2008-2009.  
The Doctors Company Foundation - co-I; Gallagher PI [129,879] Talking to Parents About Birth Injuries, 2009-2011  
Charles Hammond Fund, Duke University, co-PI with Swamy [4900], Assessing Decision Making and Acceptance of H1N1 Inactivated Influenza Vaccine Administered in a Research Setting During Pregnancy, 2009-2010

## PUBLICATIONS

### REFEREED ARTICLES

**Drapkin AL**, Livingston EG, Dodge R, Coogan AC, Herbert WNP. Cervical Intraepithelial Neoplasia in HIV-Infected Women in a Southeastern US Population. *Southern Medical Journal* 1997;90:893-896.

Hansard IJ, Healy-Gardner BE, **Drapkin AL**, Bentley RC, McLachlan JA, Walmer D. Human Endometrial Transforming Growth Factor- $\alpha$ : A Transmembrane, Surface Epithelial Protein That Transiently Disappears During the Midsecretory Phase of the Menstrual Cycle. *Journal of the Society of Gynecologic Investigation* 1997 4(3): 160-6.

**Lyerly AD**, Anderson J. Human Immunodeficiency Virus and Assisted Reproduction: Reconsidering Evidence, Reframing Ethics. *Fertility and Sterility* 2001;75:843-58.

**Lyerly AD**, Mahowald M. Maternal-Fetal Surgery: The Fallacy of Abstraction and the Problem of Equipoise. *Health Care Analysis* 2001, 9(2):151-165.

**Lyerly AD**, Myers ER, Faden RR. The Ethics of Aggregation and the Case of Hormone Replacement Therapy. *Health Care Analysis* 2001; 9(2):187-211.

**Lyerly AD**, Gates E, Cefalo RC, Sugarman J. Toward the Ethical Evaluation and Use of Maternal-Fetal Surgery. *Obstetrics and Gynecology* 2001; 98:689-97.

**Lyerly AD**, Cefalo RC, Socol M, Fogarty L, Sugarman J. Attitudes of Maternal-Fetal Specialists Concerning Maternal-Fetal Surgery. *American Journal of Obstetrics and Gynecology* 2001; 185:1052-8.

**Lyerly AD**, Mahowald MB. Maternal-Fetal Surgery for Myelomeningocele. *Clinics in Perinatology* 2003;30:155-65.

**Lyerly AD**, Faden RR. HIV and Assisted Reproduction: Women and Healthcare Policy. *American Journal of Bioethics* 2003;3(1):41-2.

**Lyerly AD**. Achieving Equipoise in Maternal-Fetal Surgery. *American Journal of Obstetrics and Gynecology*, 2003;188(3):854-5.

**Lyerly AD**, Rothman BK. Paternalism or Misuse of Power? Virtual Mentor: American Medical Association Journal of Ethics 2004 6(2): <http://www.ama-assn.org/ama/pub/category/11845>.

**Lyerly AD**, Schwartz, P. Is the patient always right? *Hastings Center Report*. March/April 2004; 34(2): 13-14.

Bankowski B, **Lyerly AD**, Faden RR, Wallach E. The Social Implications of Embryo Cryopreservation. *Fertility and Sterility* 2005; 84(4):823-32.

Sugarman JS, **Lyerly AD**, Kurtzberg J. Untying the Gordian Knot: Policies, Practices, and Ethical Issues Related to Banking of Umbilical Cord Blood. *Journal of Clinical Investigation* 2005;115(10):2592-7.

Committee on Ethics, American College of Obstetricians and Gynecologists (**Lyerly AD**, committee author). Committee Opinion #321: Maternal Decision Making, Ethics, and the Law. *Obstetrics and Gynecology* 2005; 106(5):1127-37.

**Lyerly AD**. Shame, Gender and Birth. *Hypatia*. Winter 2006; 21(4):101-18.

**Lyerly AD**, Steinhauser K, Namey E, Tulsy JA, Cook-Deegan R, Sugarman J, Walmer D, Faden RR, Wallach E. Factors that Affect Infertility Patients' Decisions about Frozen Embryos. *Fertility and Sterility* 2006; 85(6):1620-30.

**Lyerly AD**, Mitchell LM, Kukla R, Kuppermann M, Armstrong B, Harris L, Little M. Risks, Values and Decision Making Surrounding Pregnancy, *Obstetrics and Gynecology* 2007;109(4):979-84.

**Lyerly AD**, Faden RR. Willingness to Donate Frozen Embryos for Stem Cell Research. *Science* 2007; 317:46-7.

Committee on Ethics, American College of Obstetricians and Gynecologists (**Lyerly AD**, committee author). Committee Opinion # 385. The Limits of Conscientious Refusal in Reproductive Medicine. *Obstetrics and Gynecology* 2007; 110: 1203-12.

**Lyerly AD**. Reframing Neutral Counseling. *Virtual Mentor: American Medical Association Journal of Ethics* 2008;10(10) 635-639.

**Lyerly, AD**, Little MO, Faden RR. A Critique of the 'Fetus as Patient.' *American Journal of Bioethics* 2008; 8:42-44.

**Lyerly AD**, Little M, Faden R. The Second Wave: Toward Responsible Inclusion of Pregnant Women in Research. *International Journal of Feminist Approaches to Bioethics*, 2008; 1(2):5-22.

Little M, **Lyerly AD**, Mitchell LM, Armstrong E, Harris L, Kukla R, Kuppermann M. Mode of Delivery: Toward Responsible Inclusion of Patient Preferences. *Obstetrics and Gynecology* 2008;112(4):913-8.

Brown S, **Lyerly AD**, Little M, Lantos J. Pediatrics-Based Fetal Medicine: Unanswered Ethical Questions. *Acta Paediatrica* 2008; 97(12):1617-19.

**Lyerly AD**, Steinhäuser K, Voils C, Namey E, Alexander C, Bankowski B, Cook-Deegan R, Dodson W, Jungheim E, Gates E, McGovern W, Myers ER, Osborn B, Schlaff W, Sugarman J, Tulskey J, Walmer D, Faden RR, Wallach E. Fertility Patients' Preferences for Frozen Embryo Disposition: Results of a Multi-Institutional U.S. Survey. *Fertility and Sterility* 2008; epub December 2.

**Lyerly AD**, Little MO, Faden RR. Pregnancy and Clinical Research. *Hastings Center Report* 2008;38(6):53.

The Obstetrics and Gynecology Risk Research Group: Kukla R, Kuppermann M, Little M, **Lyerly AD**, Mitchell LM, Armstrong EM, Harris LH. Finding Autonomy in Birth. *Bioethics*, 2009; 23(1):1-8.

Roelands J, Jamison MG, **Lyerly AD**, James A. Consequences of Smoking During Pregnancy on Maternal Health. *Journal of Women's Health* 2009; 18(6):867-872.

Minkoff H, **Lyerly AD**. 'Doctor, What Would You Do?' *Obstetrics and Gynecology* 2009 113(5):1137-9.

**Lyerly AD**, Little M, Faden R. The National Children's Study: A Golden Opportunity to Advance the Health of Pregnant Women, *American Journal of Public Health*. 2009; 99:1742-5.

**Lyerly AD**, Mitchell LM, Armstrong EM, Harris LH, Kukla R, Kuppermann M, Little M. Risk and the Pregnant Body. *Hastings Center Report* 2009; 39(6): 34-42.

Little M, **Lyerly AD**, Faden R. Pregnant Women and Medical Research: A Moral Imperative. *Bioethics Forum* 2009;2:60-5.

**Lyerly AD**. Marking the Fine Line: Ethics and the Regulation of Innovative Technologies in Reproductive Medicine. *Minnesota Journal of Law, Science and Technology* (Rising Stars Issue) 2010;11(2):685-712.

Namey E, **Lyerly AD**. The Meaning of Control for Childbearing Women in the US. *Social Science and Medicine* 2010, 71(4):769-76.

**Lyerly AD**, Little M. Toward an Ethical Approach to Vaginal Birth After Cesarean. *Seminars in Perinatology* 2010;34:337-44.

Minkoff H, **Lyerly AD**. Samantha Burton and The Rights of Pregnant Women Twenty Years After in Re AC. *Hastings Center Report* 2010, 40(6):13-5.

**Lyerly AD**, Nakagawa S, Kuppermann M. Decisional Conflict and the Disposition of Cryopreserved Embryos: Implications for Informed Consent. *Human Reproduction* 2011, 26(3):646-54.

Wilkinson J, **Lyerly AD**, Hayat S, Prabhu M. Ethical Dilemmas in Women's Health in Under-Resourced Settings. *International Journal of Gynecology and Obstetrics* 2011, 113(1):25-7.

Little M., **Lyerly AD**, Faden R. Moving Forward with Research Involving Pregnant Women: A Critical Role for Wisdom from the Field. *American Journal of Bioethics – Primary Research* 2011, 2(1): 15-17.

**Lyerly AD**, Little M, Faden R. Reframing the Framework: Toward Responsible Inclusion of Pregnant Women as Participants in Research. *American Journal of Bioethics* 2011, 11(5):50-1.

Harris LH, Cooper A, Rankinski K, Curlin F, **Lyerly AD**. Obstetrician-Gynecologists' Objections to and Willingness to Help Patients Obtain an Abortion. *Obstetrics and Gynecology* 2011, 118(4):905-912.

**Lyerly AD**. The Meaning of Safety. *Birth* 2012; 39(2):161-2.

**Lyerly AD**, Namey E, Gray B, Swamy G, Faden R. Pregnant Women's Views about Research Participation: Lessons from the H1N1 Pandemic. *IRB* 2012; 34(4):1-8.

**Lyerly AD**. Ethics and Normal Birth. *Birth* 2012, in press.

#### OTHER ARTICLES

**Lyerly AD**, "Innovation in Reproductive Medicine including the Assisted Reproductive Technologies and Maternal-Fetal Medicine." A background paper produced for the National Bioethics Advisory Commission, August 2000.

**Lyerly, AD**. Ethical Dilemmas of Inclusion in Clinical Studies. *Science Meets Reality: Recruitment and Retention of Women in Clinical Studies, and the Critical Role of Relevance: A Report of the Taskforce Sponsored by the NIH Office for Research in Women's Health*. 2003. National Institutes of Health: Bethesda MD; 88-90.

**Lyerly AD**, Brelsford E, Bankowski B, Faden R, Wallach E. A qualitative study of individuals' attitudes regarding their cryopreserved embryos. In: Daya S. and Gunby J. *Research Papers in Fertility and Reproductive Medicine*. Proceedings of the 18<sup>th</sup> World Congress on Fertility and Sterility (IFFS 2004) International Congress Series 2004, vol 1271C, 353-356.

#### **PUBLISHED NOTE OR ABSTRACT**

Armstrong EM, Harris LH, Kukla R, Kuppermann M, Little M, **Lyerly AD**, Mitchell LM for the Obstetrics and Gynecology Risk Research Group. Caffeine in Pregnancy? American Journal of Obstetrics and Gynecology 2008, epub July 29, e13.

#### **BOOKS**

**Lyerly AD**. A Good Birth: Women Make Meaning in the Delivery Room. New York: Penguin Group, 2013, in press.

#### **BOOK CHAPTERS**

**Drapkin A**, Hage ML. "Women, Substance Abuse and Pregnancy," In: Women's Health: A Teaching Guide to Psychosocial Issues, APGO, 2/2000.

**Lyerly AD**. Revision of: Rosenfeld, Alan and Iden, Sara. Abortion: Medical Perspectives. In: Post, Stephen (editor) Encyclopedia of Bioethics, 3<sup>rd</sup> edition 2004, New York: Macmillan Reference, USA.

**Lyerly AD**. Revision of: Walters, LeRoy. Fetal Research. In: Post, Stephen (editor) Encyclopedia of Bioethics, 3<sup>rd</sup> edition 2004, New York: Macmillan Reference, USA.

**Lyerly AD**. Perspective of an Obstetrician-Gynecologist. In: Spandorfer, Pohl, Rattner, and Nasca (editors) Professionalism in Medicine: A Case-Based Guide for Medical Students 2009, New York: Cambridge University Press.

**Lyerly AD**. Ethics in Academic Medicine. In: Rayburn WF and Schulkin J (editors) The Changing Landscape of Academic Obstetrics and Gynecology 2011, New York: Springer, 147-161.

**Lyerly AD**. Issues in Reproduction. In: Hester M. and Schonfeld TL (editors) Guidance for Healthcare Ethics Committees 2012, Cambridge UK: Cambridge University Press. 98-105.

Little M, **Lyerly AD**, Faden R. Pregnant Women and Medical Research: A Moral Imperative (excerpted from Bioethics Forum, 2009). In: Emanuel FJ, Crouch RA, Arras JD, Grady C, Moreno JD (editors) Ethical and Regulatory Aspects of Clinical Research: Readings and Commentary, 2<sup>nd</sup> edition 2011, Baltimore, Johns Hopkins University Press, in press.

#### **BOOK REVIEW**

**Lyerly AD**. "Test Tube Families: Why the Fertility Market Needs Regulation" by Naomi Cahn (book review). New England Journal of Medicine 2009; 361(4):429-430.

## OP-EDS

**Anne Drapkin Lyerly.** An embryonic give and take. The News and Observer, Raleigh, NC, January 23, 2006.

**Anne Drapkin Lyerly** and Ruth R. Faden. What Fertility Patients Want. The News and Observer, Raleigh, NC, July 27, 2007.

Ruth R. Faden, **Anne Drapkin Lyerly**, and Maggie Little. A Custom Drug. The New York Times, May 10, 2009.

**Anne Drapkin Lyerly**, Margaret Olivia Little and Ruth R. Faden. Pregnancy is No Time to Refuse a Flu Shot. The New York Times, September 29, 2009.

## PRESENTATIONS AND ABSTRACTS

Hage MI., **Drapkin AL**, Tetel-Hanks J, Bushyhead A, Petrusa E. Teaching Difficult Subjects. APGO Annual Meeting, Orlando, FL, March 8-11, 1995

**Drapkin AL**, Livingston EG, Packard M, Dodge R. Cervical Intraepithelial Neoplasia in HIV-Infected Women in a Southeastern Population, ACOG District IV Annual Meeting, Bermuda, September 30-October 3, 1995.

Hage MI., **Drapkin AL**, Tetel-Hanks J, Bushyhead A. "Caught In the Crossfire:" Drug Abuse and Pregnancy: A Strategy for Teaching Clinical Skills (video), 1995.

**Drapkin AL** and Myers ER. Temporal Discounting and Risk Aversion in Health States Related to Hormone Replacement Therapy: A Pilot Study. Duke University Medical Center Department of Obstetrics and Gynecology, Residents' Day, June 15, 1998.

**Drapkin AL** and Myers ER. Patient Preferences and Temporal Discounting in Health States Associated with Hormone Replacement Therapy: a Pilot Study. The Society for Medical Decision Making 20<sup>th</sup> Annual Meeting, Boston, October 26, 1998.

**Lyerly AD**, Sugarman J, Cefalo R., Socol M. Fetal Surgery: Survey of the Members of the Society for Maternal Fetal Medicine. Current Scientific, Ethical, Legal and Clinical Considerations of Fetal Surgery. National Institutes of Health, Bethesda, MD, July 16-18, 2000.

Bliton M, **Lyerly AD**, Wolf S (panelists). Fetal Surgery: Experimenting on Pregnant Women? American Society for Bioethics and Humanities, Salt Lake City, UT, October 26-29, 2000.

**Lyerly AD**, Socol M, Cefalo RC, Fogarty L, Sugarman J. Attitudes of Maternal-Fetal Specialists Concerning Maternal-Fetal Surgery, Society for Maternal Fetal Medicine, 21st Annual Meeting, Reno NV, February 9, 2001.

**Lyerly AD**, Anderson J. HIV and Assisted Reproduction: Clinical and Ethical Considerations. Johns Hopkins Division of Reproductive Endocrinology Lecture Series, Baltimore MD, March 8, 2001.



**Lyerly AD.** HIV and Assisted Reproduction. Women's Issues in HIV. Baltimore, MD, July 26-27, 2001.

**Lyerly AD.** Ethical Dilemmas Associated with the Inclusion of Women in Clinical Research. Science Meets Reality: Recruitment and Retention of Women in Clinical Studies, and the Critical Role of Relevance. Office for Research in Women's Health, National Institutes of Health, Washington DC, January 6-9, 2003.

Holder A, **Lyerly AD**, Joyce K (panelists). Roe v. Wade at 30: Where Has it Been, What is it Doing, and Where is it Going? Center for the Study of Medical Ethics and Humanities Lecture Series in Medicine. Duke University, Durham NC, January 22, 2003.

**Lyerly AD.** Ethical Issues in Obstetrics and Gynecology. Grand Rounds, Duke University Medical Center, Department of Obstetrics and Gynecology, February 19, 2003.

**Lyerly AD.** A Quantitative Study of Individuals' Attitudes Regarding their own Cryopreserved Embryos. Steering Committee Meeting of the Reproductive Medicine Network, NICHD. Rockville, MD. September 9, 2003.

Holder AR, **Lyerly AD** (panelists). Thinking on Abortion in the 21<sup>st</sup> Century: History, Law and Ethics. Abortion: Research, Ethics and Activism. Sallie Bingham Center for Women's History and Culture. Duke University, Durham, NC. October 31-November 1, 2003.

**Lyerly AD.** Ethics in Obstetrics and Gynecology: Lessons from Maternal-Fetal Surgery. F. Bayard Carter Society of Obstetricians and Gynecologists Annual Meeting. Durham, NC. November 14, 2003.

**Lyerly AD.** Individuals Attitudes Regarding their own Cryopreserved Embryos. Panelist with R. Faden, D. Walmer, L. Knowles, L. Andrews in symposium: Frozen In Place: Advancing the Debate about Disposition of Cryopreserved Embryos. Center for Genome Ethics Law and Policy, Duke University, Durham, NC, January 14, 2004.

**Lyerly AD.** Ethics and Reproductive Medicine: Maternal-Fetal Surgery. Greenwall Fellowship Program Fellows Lecture, Johns Hopkins School of Public Health, Baltimore, MD, January 20, 2004.

**Lyerly AD.** Ethical Issues in Reproductive Medicine. Duke Women's Health Seminar Series, Duke University, Durham, NC, April 19, 2004.

**Lyerly AD**, Brelsford E, Bankowski B, Faden R, Wallach E. A qualitative study of individuals' attitudes regarding their cryopreserved embryos. IFFS 18<sup>th</sup> World Congress on Fertility and Sterility. Montreal, Quebec, May 28, 2004.

**Lyerly AD**, Doron M. Ethical Decisionmaking with Assisted Reproduction and Multiple Births. Dialogues in Neonatal/Perinatal Medicine. Durham, NC. September 10, 2004.

**Lyerly AD**, Brelsford E, Steinhauser K, Faden R, Wallach E. A qualitative study of individuals' attitudes regarding their cryopreserved embryos. Womens Health Interdisciplinary Research Symposium, National Institutes of Health, Bethesda, MD, October 4, 2004.

Hogan B, **Lyerly AD**, Holder AR. Stem Cells: Scientific, Ethical and Legal Issues. Duke University Alumni Weekend. Durham, NC, April 15, 2005.

**Lyerly AD**. Ethical Issues in Reproductive Health. The Robert Wood Johnson Foundation Summer Medical Education Program. Duke University, Durham, NC, July 13, 2005.

**Lyerly AD**. Ethical Issues in Obstetrics and Gynecology. Grand Rounds, Department of Obstetrics and Gynecology, Duke University Medical Center, Durham, NC, November 16, 2005.

**Lyerly AD**. Ethical Issues in Perinatal Medicine. 48<sup>th</sup> Annual Angus McBryde Symposium, Chapel Hill, NC, December 8, 2005.

Young L, **Lyerly AD**. Ethical and Regulatory aspects of Stem Cell Research. Duke/British Council Stem Cell Workshop, Duke University, Durham, NC, February 22, 2006.

**Lyerly AD**. Research in Reproductive Medicine: Ethical Issues. NICHD CREST Seminar, National Institutes of Health, Bethesda, MD, March 4, 2006.

**Lyerly AD** (Obstetrics and Gynecology Risk Research Group). Distortions of Risk in Obstetrical Decision Making. UNC-Duke Bioethics Group. Chapel Hill, NC, April 13, 2005.

Wilkinson J, **Lyerly AD**, Whetten K, Vangsnes N. Obstetric Fistula in Niger: A Multi-University Collaboration and the Duke Obstetric Fistula Working Group. Duke Global Health Day, Duke University, Durham NC, April 2006.

**Lyerly AD**, Harris LH, Armstrong EA, Kukla R, Kuppermann MK, Little MO, Mitchell LM. Distortions of Risk in Obstetrical Decision Making. American College of Obstetricians and Gynecologists Annual Clinical Meeting, Washington DC, May 8 2006.

**Lyerly AD**. Public Policies, Private Lives: Law, Ethics and Reproductive Medicine. The Robert Wood Johnson Foundation Summer Medical Education Program. Duke University, Durham, NC, June 28, 2005.

Myers ER, **Lyerly AD**. Reproductive Risks: How do we Measure them, How do we Minimize them, and Should we Even Try? Duke/OHRP Conference: Crossing the Line: What is Acceptable Risk? Research Triangle Park, NC, September 25, 2006.

Brown S, **Lyerly AD**, Little M, Lantos J. The Fetus as Patient: Ethical Implications of Innovations in Maternal-Fetal Care. American Society of Bioethics and Humanities, Denver, CO, October 28, 2006.

Harris L, **Lyerly AD**, Little M, Kukla R, Armstrong E. Distortions of Risk in Decision Making Around Pregnancy. National Advocates for Pregnant Women Summit to Ensure the Humanity of Pregnant and Birthing Women. Atlanta, GA, January 18, 2007.

Donovan PJ, Hall ZW, Battey J, **Lyerly AD**. How Will Stem Cell Research Be Sustained? American Association for the Advancement of Science Annual Meeting. San Francisco, CA, February 18, 2007.

**Lyerly AD.** The Good Birth. University of North Carolina Program in the Humanities, Motherhood and Medicine: Myths, Midwifery, and Modern Practice. Chapel Hill, NC, May 4, 2007.

**Lyerly AD.** Reproductive Endocrinology Research: What Makes it Ethical? NICHD CREST Seminar, National Institutes of Health, Bethesda, MD, July 30, 2007.

**Lyerly AD.** Procreative Responsibility and the Ethics of Stem Cell Research. Humanities in Medicine Lecture Series. Duke University, Durham, NC, September 26, 2007.

**Lyerly AD.** Cultural and Religious Differences in Attitudes toward Therapeutic Cloning and Egg Donation. National Academy of Sciences' Sackler Colloquium, Irvine, CA, October 8, 2007.

**Lyerly AD, Little MO, Faden RR.** The Second Wave: A Moral Framework for Clinical Research with Pregnant Women. American Society for Bioethics and Humanities. Washington, DC. October 21, 2007.

**Lyerly AD.** New Perspectives on the Ethics of Stem Cell Research. Quintiles Transnational, Research Triangle Park, NC, November 13, 2007.

**Lyerly AD.** Procreative Responsibility, Parenting and the Ethics of Stem Cell Research. Pediatrics Grand Rounds. Duke University. December 11, 2007.

**Lyerly AD.** Fertility Patients' Preferences for Disposition of IVF Embryos. Stem Cell Research: Understanding the Controversies. Georgia State University College of Law, Center for Law, Health and Society. Atlanta, GA, January 10, 2008.

**Lyerly AD.** Fertility Patients' Preferences for Disposition of Cryopreserved Embryos. Obstetrics and Gynecology Grand Rounds, Duke University, Durham, NC, February 20, 2008.

**Lyerly AD.** Procreative Responsibility and the Ethics of Stem Cell Research. National Institutes of Environmental Health Sciences, Research Triangle Park, NC, March 6, 2008.

**Lyerly AD** (panel with J Kurtzberg and M Hughes) Ethics of Pre-Birth Diagnosis. Ethics of Cellular Therapy Conference. Durham, NC, June 16-17, 2008.

**Lyerly AD, Minkoff H** (Discussants), Hale R (Moderator). Ethical Issues Faced in an Ob-Gyn Practice. ACOG Update Program 2008; 34(3).

**Lyerly AD, Namey E.** Transfer Tales: Highlights from the Good Birth Project. American Association of Birth Centers Birth Institute. Tucson, AZ. September 6, 2008.

**Lyerly AD** (panelist with F Curlin and H Brody). Conscience in the Practice of the Health Professions: Mapping the Contemporary Domain. Testimony before the President's Council on Bioethics, Arlington, Virginia, September 11, 2008.

Schoenfeld T, Kukla R, Amour J, **Lyerly AD**, Little M (panel). 'Reproducing' Risk: Women and Clinical Research. PRIM&R Annual Meeting, Orlando, FL. November 19, 2008.

**Lyerly AD.** Conscience in the Practice of the Health Professions: An Ongoing Debate. Trent Center Colloquium, Duke University. December 9, 2008.

**Lyerly AD.** Research Subjects: Females Left Behind? Part Center for Ethics, University of North Carolina, Chapel Hill, North Carolina, February 26, 2009.

**Lyerly AD.** The Second Wave: Toward Responsible Inclusion of Pregnant Women in Biomedical Research. Ethics, Technology, and Pregnant Bodies. University of Groningen. Groningen, the Netherlands, March 30, 2009.

**Lyerly AD.** The Second Wave: Introduction to the Second Wave Workshop. Georgetown University, Washington DC, April 29, 2009.

**Lyerly AD.** Autonomy and Birth. Duke-UNC Bioethics Group Meeting. Chapel Hill, NC. May 14, 2009.

**Lyerly AD.** The Second Wave: Toward Responsible Inclusion of Pregnant Women in Biomedical Research. Duke University Department of Obstetrics and Gynecology Grand Rounds, Durham NC. May 27, 2009.

Nancy EB, **Lyerly AD.** Finding Control: Another Look at "Control" and Birth in America. Society for Medical Anthropology Annual Meeting. Yale University. New Haven, CT. September 25, 2009.

**Lyerly AD.** Pregnancy and Clinical Research. IRB Lunch and Learn. Duke University. Durham, NC. November 10, 2009.

**Lyerly AD,** White D, Uhl K, Norsigian J(panelists). Ethical, Regulatory and Practical Issues of Research Involving Women. PRIM&R Annual Meeting. Nashville, TN. November 16, 2009.

**Lyerly AD.** Women's Voices and Reproductive Medicine: What Remains. University of North Carolina Chapel Hill Department of Social Medicine Seminar. Chapel Hill, NC, February 8, 2010.

**Lyerly AD.** Reproducing Risk? Pregnant Women and Biomedical Research. University of Minnesota Center for Bioethics Seminar Series. Minneapolis, MN, February 12, 2010.

**Lyerly AD.** The Medical Ethics of Vaginal Birth After Cesarean. National Institutes of Health Consensus Development Conference on Vaginal Birth After Cesarean, Bethesda, MD, March 9, 2010.

**Lyerly AD.** Risk and the Pregnant Body: Challenges to Evidence-Based Therapeutics During Pregnancy. Wake Forest University Center for Bioethics Inaugural Seminar. Wake Forest University, Winston Salem, NC, March 22, 2010.

**Lyerly AD.** Ethics and the Responsible Inclusion of Pregnant Women in Clinical Research (invited panel). Society of Gynecologic Investigation Annual Meeting. Orlando, FL, March 25, 2010.

**Lyerly AD.** Women's Voices and Reproductive Medicine: What Remains. Conversations in Bioethics, Case Western Reserve University Medical Center. Cleveland, OH, April 20, 2010.

**Lyerly AD.** Women's Voices and Reproductive Medicine: What Remains. Grand Rounds, March of Dimes, White Plains, NY, May 27, 2010.

**Lyerly AD.** Inclusion of Pregnant Women in Research. Greenwall Fellows Seminar, Kennedy Institute for Ethics, Georgetown University, October 4, 2010.

**Lyerly AD.** When and How Should Pregnant Women Be Allowed to Participate in Research? Maternal and Pediatric Drug Safety Conference, Drug Information Association, Bethesda MD, October 13, 2010.

**Lyerly AD.** Direct Benefit to Pregnant Women. Office for Research on Women's Health Research Forum. Issues in Clinical Research: Enrolling Pregnant Women. National Institutes of Health, Bethesda MD, October 18, 2010.

**Lyerly AD.** Diagnostic Radiology in Pregnancy: Ethics, Risk and the Pregnant Body. Diagnostic Imaging of the Pregnant Patient in the Emergency Department or other Acute Care Setting. University of Oklahoma, Tulsa OK, November 4, 2010.

**Lyerly AD.** Toward Informed Choices During Pregnancy: Opportunities for and Challenges to Fair Inclusion of Pregnant Women in Biomedical Research. Panelist with Wolf S., Oberman M, Ikemoto I, Fentiman I; Joan Krause (organizer). Women's Choices, Women's Voices: Legal Regimes and Women's Health. American Association of Law Schools Annual Meeting, San Francisco, CA, January 7, 2011.

**Lyerly AD.** Beyond Refusal: Conscience and the Moral Contours of Abortion Provision. Faculty Forum. University of North Carolina at Chapel Hill. Chapel Hill, NC, February 1, 2011.

**Lyerly AD.** Panelist with Karla FC Holloway, Alondra Nelson, Charmaine Royal and Harriet A. Washington. Private Bodies. Atelier@Duke: The Idea of Archive; Producing and Performing Race. Duke University, Durham NC, February 26, 2011.

**Lyerly AD.** Responsible Inclusion of Pregnant Women in Research. TraCS Ethics Grand Rounds. University of North Carolina at Chapel Hill, Chapel Hill, NC, March 17, 2011.

Gray BA, **Lyerly AD**, Namey E, Swamy G. H1N1 Vaccination During Pregnancy: A Qualitative Study of Women's Decision to Accept a Novel Vaccine. Society of Gynecological Investigation Annual Meeting, Miami Beach FL, March 18, 2011.

**Lyerly AD.** Healthcare Professionals, Conscience, and Women's Reproductive Health. ASBH National Undergraduate Bioethics Conference. Duke University, Durham NC, March 21, 2011.

**Lyerly AD**, Brandon AR. Enhancing Informed Consent for Pregnant Women in Research: Why and How? Bioethics at UNC (BUNC) Meeting. University of North Carolina at Chapel Hill, Chapel Hill, NC, April 26, 2011.

**Lyerly AD.** Ethics and Guideline Development: Implications for the Supporting Intended Vaginal Birth Initiative. Perinatal Quality Collaborative. Raliegh, NC, June 7, 2011.

**Lyerly AD.** The Ethics of Testing New Drugs in Pregnant Women. Gerald R. Briggs Research Symposium. 24<sup>th</sup> Annual Conference of the Organization of Teratology Information Specialists. San Diego, CA, Jun 26, 2011.

**Lyerly AD.** Gauging Success: Mothers and Others After the MOMs Trial. Panelist with Lantos J and Gates E. The Surprising Success of Fetal Surgery for Myelomeningocele: Implications of the MOMs Trial for Perinatal Bioethics. American Society for Bioethics and Humanities Annual Meeting. Minneapolis, MN. October 15, 2011.

**Lyerly AD.** Reproducing Risk? Ethics and the Inclusion of Pregnant Women in Research. Womens Studies Colloquium. University of North Carolina at Chapel Hill. Chapel Hill, NC. November 16, 2011.

**Lyerly AD.** Ethics and Inclusion of Pregnant Women in Research. Society for Maternal Fetal Medicine Fellows Lecture Series (international lecture, presented online). December 7, 2011.

**Lyerly AD.** Panelist with Mary Palmer, Lydia Boyd and Trude Bennett. Reframing Key Issues: Political and Ethical Dimensions of Women's Global Health. Feminist Perspectives on Women's Global Health and Human Rights. University of North Carolina at Chapel Hill, Chapel Hill, NC, March 16, 2012.

**Lyerly AD.** Expanding Technology, Expanding Options? New Technologies, New Challenges: Women and Prenatal Testing in the 21<sup>st</sup> Century. Case Western Reserve Law-Medicine Center, Cleveland, OH. April 12-13, 2012.

**Lyerly AD.** Panelist with Cathy Spong, Robert Saade, Ben Mol and Elizabeth Thom. Randomized Controlled Trials in Pregnancy. Society for Clinical Trials Annual Meeting, Miami FL, May 22, 2012.

## **RESEARCH GROUPS**

The Second Wave Working Group, Cofounder with Maggie Little and Ruth Faden

Multidisciplinary group addressing the under-representation of pregnant women in biomedical research from the perspectives of ethics, science, and health policy

The Oncofertility Consortium, Ethics Advisory Board

Consortium of scholars from law, policy, and ethics to analyze the ethical issues raised by fertility preservation in the context of fertility limiting diseases. Part of NIH roadmap grant awarded to Teresa Woodruff, PhD, for the study of oocyte preservation.

The Obstetrics and Gynecology Risk Research Group, Cofounder with Maggie Little

Multidisciplinary group of scholars from medicine, epidemiology/biostatistics, social science and humanities including philosophy and ethics, who the ethics of risk assessment and communication in reproductive medicine

The Duke Obstetrics Fistula Working Group, Member

Multidisciplinary collaborative group examining the ethical issues associated with approaches to obstetric fistula in developing countries.

The North Carolina Research Collaborative on Mode of Delivery, Member

Research collaborative between Duke, NCSU and UNC to explore the issues around mode of delivery and identify and address research questions pertaining to practice and policy

The UNC-Duke Bioethics Research Group, Member

Quarterly seminar of area scholars dedicated to pondering and sharing questions, ideas, and work in progress in bioethics-related research.

## **PROFESSIONAL ORGANIZATIONS/PARTICIPATION**

Member, March of Dimes National Bioethics Advisory Committee, 2011-  
Member, NIH Advisory Committee to the Director Working Group on Human Embryonic Stem  
Cell Review, 2011-  
Co-Chair, American Society for Bioethics and Humanities Program Committee, 2008-2009  
Chair, American College of Obstetricians and Gynecologists Committee on Ethics, 2007-2009  
ACOG Liaison, American Academy of Pediatrics, Committee on Bioethics, 2007-2009  
Vice Chair, American College of Obstetricians and Gynecologists, Committee on Ethics, 2005-2007  
Member, American College of Obstetricians and Gynecologists Task Force on Genetic Screening,  
2005-2006  
Member, American College of Obstetricians and Gynecologists Committee on Ethics, 2002-2005  
Fellow, American College of Obstetricians and Gynecologists, 2003-present  
Participant, ACOG Leadership in Women's Health Policy Program, 2000  
Member, American Society of Bioethics and Humanities, 1999-present  
Member, The Hastings Center, 1999-present  
Member, Feminist Approaches to Bioethics Network, 1999-present

## **CONSULTANT APPOINTMENTS**

Clinical Advisor, Expecting More Initiative, Informed Medical Decisions Foundation and  
Childbirth Connection, 2012-  
Board Member, Women's Birth and Wellness Center, Chapel Hill, NC, 2012-  
Member, Data Safety Monitoring Board, Combination Prevention for Vulnerable Women in  
South Africa: Women's Health Coop Plus (PI, Wechsberg; Funding: NIDA), 2012  
Consultant for Research Ethics, Quintiles Transnational, 2007  
Ethics Consultant, Family Health International Non-surgical Sterilization Team, 2006  
Member, Family Health International, Protection of Human Subjects Committee, 2006-present  
Member, Reproductive Genetics Advisory Committee, Genetics and Public Policy Center, Johns  
Hopkins University Berman Bioethics Institute, 2003-present  
Staff, National Bioethics Advisory Commission, 2000

## **UNIVERSITY COMMITTEES**

Chair, Search Committee UNC Center for Bioethics 2012-13  
Member, UNC Task for on Professionalism, 2012-13  
Search Committee, UNC Center for Bioethics, 2011-12  
Search Committee, UNC OHRE Deputy Director, 2012  
Duke University Stem Cell Research Oversight Committee, Member, 2010  
Kenan Institute of Ethics Faculty Council, Member, 2008-present  
Duke University Institutional Review Board, Member, 2003-2008  
Duke University Clinical Sciences Faculty Council Member, 2003-2006  
Duke University Hospital Ethics Committee, Member 2002-2007  
Duke University Medical Humanities Bioethics and Law Curriculum Committee, Member 2002-  
2004  
Johns Hopkins Assisted Reproductive Technologies Oversight Committee, Member, 1999-2001



## **COURSES TAUGHT**

ARESA Program, Stellenbosch University (Stuart Rennie, Program Director). Visiting Lecture (via satellite): Pregnant Women in Research: Ethical Issues. August 22, 2012

Current Issues in Law and Medicine - HSS Seminar, UNC Schools of Medicine and Law (Joan and Rich Krause, Course Instructors). Visiting Professor: Conscientious Refusals in Medicine, February 14, 2012.

Science of Medicine Seminar Series (fourth year medical students), UNC School of Medicine (Course Director, Michael Myer, MD). Conscience and Doctoring, February 6, 2012.

Global Sexual and Reproductive Health, UNC School of Public Health (Trude Bennet, Course Instructor) Visiting Professor: Sexual and Reproductive Health: Ethical Issues, 2012

Medicine and Society, UNC School of Medicine (observation year), 2011-12

Practice Course, Duke University School of Medicine: Conscience and Doctoring, 2010

Women and Health Law, University of North Carolina (Joan Krause, Course Instructor). Visiting Professor: Women and Health Research, 2010.

English 169: Bioethics and Narrative, Duke University (Karla Holloway, Course Instructor): Visiting Professor: Reproduction and Mourning, 2009

Philosophy 292, Duke University: Bioethics (with Gopal Sreenivasan, Jeff Baker, Margaret Humphreys, Ross McKinney), 2009

Medical Ethics and Humanities in Obstetrics and Gynecology (second year medical student clerkship), Duke University School of Medicine, 2009, 2010

Master Class, University of Groningen, the Netherlands: Technology and Pregnant Bodies, 2009

Capstone Course (fourth year medical students), Duke University School of Medicine: The Medical Transformation of Childbirth, 2008, 2009, 2010

Exploring Medicine: Duke University School of Medicine (Dennis Clements, Course Director): Conscience, Culture and the Health Professions, 2009

Robert Wood Johnson Summer Medical and Dental Education Program, Duke University: Ethics and Choices in Reproductive Health, 2007, 2008, 2009, 2010

AMA Health Policy Committee: Duke University Medical Student Lecture, Health Policy, Conscience and the Health Professions: Ethical Issues, 2009

Oscher Lifelong Learning Institute: Duke University (Angela Holder, Course Instructor), Visiting Professor: Reproductive Issues: Who Decides?, 2008

General Clinical Research Center Training, The Responsible Conduct of Research, Moderator, 2006

Ethics in Obstetrics and Gynecology, Course coordinator and lecturer for Duke University Obstetrics and Gynecology residents ethics curriculum, 2005-present

Master Clinician Week, Duke University School of Medicine, 1<sup>st</sup> year medical student discussion on physician-patient encounter, 2005

Ethical issues in Reproductive Genetic Testing, Duke University School of Medicine, 2004

Womens Studies 260, Duke University: Gender and Bioethics, Interdisciplinary Debates Project, 2003

Ethical Issues Associated with Neural Tube Defects, Duke University School of Medicine, Medical student lecture, interterm course, 2003

Journal Club: Cesarean by Patient Choice, Duke University Division of Urogynecology, 2003

Elkins Baltimore OB/GYN Ethics Retreat: Faculty, Johns Hopkins University, April 2000, 2001

## **STUDENTS MENTORED**



Eleni Boussios, Duke University Medical School, Second Year Medical Student, Co-mentored research (with Evan Myers, MD) Third Year MPH program, 2003-2004  
 Tracy Egharbeva, Duke University, Senior (undergraduate), Mentored research for Human Development Certificate, 2005  
 Rashmi Kudesia, Duke University Medical School, Third Year Medical Student, Mentored Third Year Research Project and NIH Roadmap Scholarship, 2006-2007  
 Christie Milleson, Duke University undergraduate, Taught independent study (WST) Maternal Health in Costa Rica, 2007  
 Sarah Wilkins, Duke University Medical School, Third Year Medical Student, Mentored on Third Year Research Project, 2006-2008  
 Brownsyne Tucker-Edmonds, MD, Duke University, Third Year Resident, Mentored for third year research project, 2007-2008  
 Jennifer Wu, MD, BIRWCH Scholar, Duke Department of Obstetrics and Gynecology, Co-Mentor for career development award, 2008-10.  
 Jeremy Block, Duke University, PhD/MPP Student, Committee Member for Master's Project, 2008-2009  
 Beverly Gray, Duke University, Third Year Resident, Mentored for project of preferences about H1N1 Vaccination during pregnancy, 2009-2010  
 Priyanka Sista., Duke University undergraduate. Research mentor for senior honors thesis, 2010  
 Anna Brandon, PhD, UNC Assistant Professor. Research mentor for K-award, 2011-present

## **PEER REVIEW**

### **Journals**

American Journal of Bioethics, American Journal of Obstetrics and Gynecology, American Journal of Managed Care, American Journal of Public Health, Birth, Canadian Medical Association Journal, Cell Stem Cell, Clinical Trials: Journal of the Society for Clinical Trials, Fertility and Sterility, Genetics in Medicine, Hastings Center Report, Human Reproduction, International Journal of Gynecology and Obstetrics, IRB, Journal of Genetic Counseling, Journal of the History of Medicine, Journal of Perinatology, Kennedy Institute of Ethics Journal, Milbank Quarterly, New England Journal of Medicine, North Carolina Medical Journal, Obstetrics and Gynecology, *Prenatal Diagnosis*, *Social Science and Medicine*, *Women's Health Issues*

### **Foundations**

Wellcome Trust, UK

## **EDITORIAL BOARDS**

Birth  
 Fertility Today

## **LICENSURE/CERTIFICATION**

North Carolina Medical License #200101085, issued 8/16/01  
 American Board of Obstetrics and Gynecology: Diplomate, November 2002  
 American College of Obstetricians and Gynecologists: Fellow, December 2003-present